## PATENT ABSTRACTS OF JAPAN

(11)Publication number:

2001-152981

(43) Date of publication of application: 05.06.2001

(51)Int.CI.

F02M 31/04 F01M 3/00

(21)Application number: 11-333930

(71)Applicant : KIORITZ CORP

(22)Date of filing:

25.11.1999

(72)Inventor: RIYUU IKUTAMI

## (54) FOUR-CYCLE INTERNAL COMBUSTION ENGINE

## (57)Abstract:

PROBLEM TO BE SOLVED: To provide a 4-cycle internal combustion engine suppressing the quantity of lubricating oil introduced to a combustion chamber accompanying the fuel on the assumption of employing the 4-cycle internal combustion engine using mixed fuel including lubricating oil.

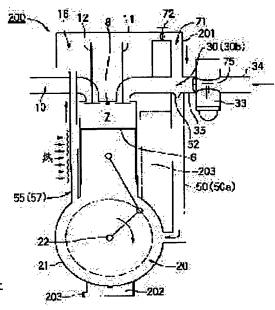
SOLUTION: A part of the fuel-air mixture of a Instream.

the crank chambe.
a in a compression stroke
al-air mixture flowing down in the c.
iters a valve system chamber 16 in an expansion and a suction stroke, refluxed to a suction polynough a reflux channel 71 in the suction stroke, and nally fills the combustion chamber 7. The fuel-air nixture is separated into lubricating oil components and gasoline components in a process passing through a first communication passage 55 communicated from the crank chamber 20 to the valve system chamber 16 by vaporizing the gasoline components relatively easily vaporized by the heat of a cylinder block 3.

TATUS

Tamination

12.11.2003 downstream side suction air passage 30b is introduced



[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's

decision of rejection [Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office